PRODUCT TESTING LABORATORY Final Laboratory Averages Report

Philip Morris USA Confidential

Report Date .: 01/30/98 4:01 PM

Request....: MA97-1

Submitter...: E.Chambers/J.Garman

Request Type: inh Activity

: T00107

Reported By . . . : WINSTON, NITA

Date Submitted: 10/20/97

Date Received .: 10/20/97 Date Completed: 11/19/97 Approved By ...: WINSTON, NITA

Description .: MASSACHUSETTS COMPLIANCE - TEST BRANDS MORE THAN 5% MARKET SHARE FOR

MA.COMPLIANCE

	MR4B			MRM6B			
Test Categories/Tests	Target Average	StdDev	N	Target	Average	StdDev	N
Smoke							
FTC Butt Length, mm	26.0				34.0		
MA Tar, mg/cigt	30.8	1.05	20		23.7	0.64	19
MA TPM, mg/cigt.	50.5	1.74	20		36.1	1.17	19
MA Nicotine, mg/cigt.	2.06	0.053	20		1.66	0.059	19
MA Water, mg/cigt.	17.67	0.945	20		10,76	0.599	19
MA Puffs/Cigt.	11.1	0.35	20		10.6	0.32	19
Tar/Puff, mg	2.8				2.2		
рн	5.41	0.025	3		5.39	0.007	3
MA CO, mg/cigt.	27.2	0.80	20		23.4	0.86	19
Filter							
Tipping Paper Length, mm	22.9	0.21	20	4	31.1	0.17	20
Ventilation, %	13	2.3	99		20	4.0	100
Filler							
Tobacco Weight, g	0.709	0.0021	3		0.672	0.0045	3
CDC Nicotine, mg/cigt.	13.44	0.155	3		12.29	0.120	3
	MT 6			ML6MB	·		
Test Categories/Tests	ML6 Target Average	StdDev	N	ML6MB Target	Average	StdDev	N
Smoke	Target Average	StdDev	N			StdDev	N
Smoke FTC Butt Length, mm	Target Average 34.0				34.0		
Smoke FTC Butt Length, mm MA Tar, mg/cigt	Target Average 34.0 22.9	0.74	20		34.0 21.7	0.71	20
Smoke FTC Butt Length, mm MA Tar, mg/cigt MA TPM, mg/cigt.	Target Average 34.0 22.9 34.4	0.74	20 20		34.0 21.7 31.7	0.71 1.65	20 20
Smoke FTC Butt Length, mm MA Tar, mg/cigt MA TPM, mg/cigt. MA Nicotine, mg/cigt.	Target Average 34.0 22.9 34.4 1.61	0.74 1.56 0.059	20 20 20		34.0 21.7 31.7 1.56	0.71 1.65 0.081	20 20 20
Smoke FTC Butt Length, mm MA Tar, mg/cigt MA TPM, mg/cigt. MA Nicotine, mg/cigt. MA Water, mg/cigt.	Target Average 34.0 22.9 34.4 1.61 9.93	0.74 1.56 0.059 0.907	20 20 20 20		34.0 21.7 31.7 1.56 8.46	0.71 1.65 0.081 0.960	20 20 20 20
Smoke FTC Butt Length, mm MA Tar, mg/cigt MA TPM, mg/cigt. MA Nicotine, mg/cigt. MA Water, mg/cigt. MA Puffs/Cigt.	Target Average 34.0 22.9 34.4 1.61 9.93 10.8	0.74 1.56 0.059	20 20 20		34.0 21.7 31.7 1.56 8.46 10.3	0.71 1.65 0.081	20 20 20
Smoke FTC Butt Length, mm MA Tar, mg/cigt MA TPM, mg/cigt. MA Nicotine, mg/cigt. MA Water, mg/cigt. MA Puffs/Cigt. Tar/Puff, mg	Target Average 34.0 22.9 34.4 1.61 9.93 10.8 2.1	0.74 1.56 0.059 0.907 0.14	20 20 20 20 20		34.0 21.7 31.7 1.56 8.46 10.3 2.1	0.71 1.65 0.081 0.960 0.32	20 20 20 20 20
Smoke FTC Butt Length, mm MA Tar, mg/cigt MA TPM, mg/cigt. MA Nicotine, mg/cigt. MA Water, mg/cigt. MA Puffs/Cigt. Tar/Puff, mg pH	Target Average 34.0 22.9 34.4 1.61 9.93 10.8 2.1 5.38	0.74 1.56 0.059 0.907 0.14	20 20 20 20 20 19		34.0 21.7 31.7 1.56 8.46 10.3 2.1 5.38	0.71 1.65 0.081 0.960 0.32	20 20 20 20 20 20
Smoke FTC Butt Length, mm MA Tar, mg/cigt MA TPM, mg/cigt. MA Nicotine, mg/cigt. MA Water, mg/cigt. MA Puffs/Cigt. Tar/Puff, mg pH MA CO, mg/cigt.	Target Average 34.0 22.9 34.4 1.61 9.93 10.8 2.1	0.74 1.56 0.059 0.907 0.14	20 20 20 20 20		34.0 21.7 31.7 1.56 8.46 10.3 2.1	0.71 1.65 0.081 0.960 0.32	20 20 20 20 20
Smoke FTC Butt Length, mm MA Tar, mg/cigt MA TPM, mg/cigt. MA Nicotine, mg/cigt. MA Water, mg/cigt. MA Puffs/Cigt. Tar/Puff, mg pH MA CO, mg/cigt. Filter	Target Average 34.0 22.9 34.4 1.61 9.93 10.8 2.1 5.38 24.0	0.74 1.56 0.059 0.907 0.14 0.031 0.86	20 20 20 20 19		34.0 21.7 31.7 1.56 8.46 10.3 2.1 5.38 21.1	0.71 1.65 0.081 0.960 0.32 0.034 0.82	20 20 20 20 20 20 20
Smoke FTC Butt Length, mm MA Tar, mg/cigt MA TPM, mg/cigt. MA Nicotine, mg/cigt. MA Water, mg/cigt. MA Puffs/Cigt. Tar/Puff, mg pH MA CO, mg/cigt. Filter Tipping Paper Length, mm	Target Average 34.0 22.9 34.4 1.61 9.93 10.8 2.1 5.38 24.0 31.0	0.74 1.56 0.059 0.907 0.14 0.031 0.86	20 20 20 20 19 3 20		34.0 21.7 31.7 1.56 8.46 10.3 2.1 5.38 21.1	0.71 1.65 0.081 0.960 0.32 0.034 0.82	20 20 20 20 20 20 20
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Notations:

MR4B - MARLBORO LONG SIZE 20'S (BOX)

MRM6B - MARLBORO MEDIUM KING SIZE 20'S (BOX)

ML6 - MARLBORO LIGHTS KING SIZE 20'S (SP)
ML6MB - MARLBORO LIGHTS MENTHOL KING SIZE 20'S (BOX)

SEE PAGE 2 FOR THE CDC NICOTINE DISCLAIMER.

All tests were conducted in the Philip Morris U.S.A. Research and Development Product Testing Laboratory. The above test results relate to the samples submitted to this laboratory during the stated time period. Extrapolation outside this time period is not appropriate.

Doc-Code: P0622

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MA.COMPLIANCE

The specified CDC protocol cited in the Federal Register/ Vol.62. No.85, 24115 through 24119, Standards Addition Assay, II.B.1. through 12., was followed as written and results reported with specified recovery correction, II.D.8. In II.B.2., instructions and calculations related to the nicotine and internal standard concentrations are in error.

cc:

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